HD-SDI Camera User Manual

⚠ Warning: Please read this manual carefully before installation and use!

1. INTRODUCTION

This HD-SDI digital image camera uses a high sensitive color Sony 1/3” interline transfer Charge Coupled Device (CMOS) 2.1M image sensor, producing pictures reaching up 1100 TV lines of horizontal resolution.

KEY FEATURES

- 1/3" CMOS image sensor (2.1 mega pixels)
- Built-in Varifocal Lens (Megapixel)
- Built-in IR-LED
- WDR (Wide Dynamic Range) Function
- Double video signals output (HD-SDI/CVBS)
- On-Screen Display Function
- Digital Zoom 8x
- 3-Axis Mechanism Design
- High performance functions
  - 3D-DNR (Digital Noise Reduction)
  - BLC (Back Light Compensation)
  - Motion Detection
  - DSS (Digital Slow Shutter)
  - Image flip
  - HLC (High Light Compensation)

MP-776VW

2. PRECAUTIONS

- Do not install the product in extreme temperature conditions. Only use the camera under conditions where temperatures are between -10 and + 50℃. Be especially careful to provide ventilation when operating under high temperatures.
- Do not use or store the camera in humid environment.It may cause poor image quality.
- Do not use the camera in unstable lighting conditions.Inconsistent lighting or flickering may cause poor image.
- Never use the camera close to gas or oil leak.It may not operate properly.
- Do not disassemble the camera.There is no user serviceable part inside.
- Do not drop the camera or apply force on it.It may cause a malfunction.
- Never face the camera to strong light for long periods of time.It may damage the CCD sensor.
- Do not expose the camera to rain or any types of liquid.If wet, wipe the moisture out immediately.Liquids can contain minerals that corrode the electronic components.

3. EQUIPMENT INSTALLATION

1. Open the attachment pack, Use screws to chassis is fixed on the wall or ceiling;. Put the camera fixed on the chassis.

2. Plug the external cables according to the use requirements of equipment.

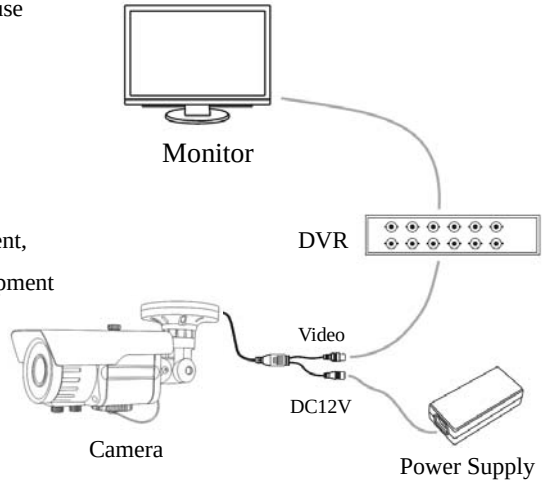
2.1 Video output BNC connector.

GND —◉— Video

2.2 Power input connector.

⊖ —◉— ⊕

3. The up and down or so regulating equipment, according to the use requirements set equipment of direction.



4. SPECIFICATIONS

Image Sensor	1/3”Panasonic CMOS	
Active Pixel	1944(H) * 1092(V)=2.122,848	
Scanning System	Progressive	
Resolution	Digital:1080(30p),720(60p)Max:1100TV Lines(1080p)	
Min.lllumination	Color:DSS:0.017 lux,BW DSS: 0.0008 lux, 0 lux (IR ON)	
S/N Ratio	More than 50dB(AGC off)	
WDR	HD-SDI WDR	CVBS DWDR
Lens	Varifocal Lens 2.8-12mm (Megapixel)	
AGC	Auto (0-20 steps)	
Shutter Speed	AUTO/MANUAL(1/50\60 ~ 1/60,000 sec	
Backlight	Off/BLC/HLC	
Day&Night	AUTO/COLOR/B&W/EXTERN	
White Balance	AUTO/AUTOext/Pushing/Manual	
Mirror	Off/On	
Motion Detection	YES	
Privacy Mask	16Masks	
Mirror	Off/On	
H-V-REV	Off/On	
Language	ENG/ CHN/ CHN(S) / JPN/ DEU/ FAR/ NLD/ ESP/ ITA (Option)	
Infrared Luminary	60 Pieces Φ5 IR-LED (850 nm)	
Illumination Distance	50M	
Power(Max.) supply	DC12V ±10% 10W	
Video Output	HD-SDI:BNC connector,CVBS:BNC connector	
Operating Temp.	- 10°C ~ 50°C	
Storage Temp.	- 30°C ~ 60°C	

5. PACKING LIST

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